

**METHOD FOR REGENERATING USED OILS BY DEMETALLIZATION
AND DISTILLATION**

ABSTRACT

5 The present invention refers to a method for the regeneration of used petroleum oils which comprises the following steps:

- 10 (a) demetallization of the used mineral oil by means of chemical treatment of said oil with an aqueous solution of a chemical reagent containing anions which form low solubility salts with the metals of the oil, followed by the separation of the demetallized oil;
- 15 (b) distillation of the demetallized oil obtained in step (a) at atmospheric pressure and in the presence of alkaline hydroxides; and
- (c) distillation of the bottom liquid obtained in the atmospheric distillation in step (b) under vacuum and in the presence of alkaline hydroxides to obtain lubricant bases.

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